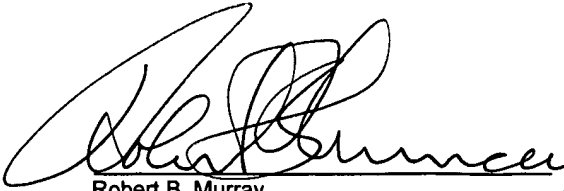


79 Rec'd PCT/TC 21 SEP 1999

FORM PTO-1390 (REV 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTORNEY DOCKET NO. P564-9039
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371						DATE: September 21, 1999
						U.S. APPLN. NO. (IF KNOWN, SEE 37 CFR 1.5) 09/381286
INTERNATIONAL APPLICATION NO. PCT/EP98/01653			INTERNATIONAL FILING DATE 20 March 1998		PRIORITY DATE CLAIMED 21 March 1997	
TITLE OF INVENTION: PROCESS FOR THE PURIFICATION AND CRYSTALLIZATION OF PROTEASOME						
APPLICANT(S) FOR DO/EO/US: Michael GROLL, Robert HUBER, Lars DITZEL, Richard ENGH						
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. (THE BASIC FILING FEE IS ATTACHED)						
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.						
3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT articles 22 and 39(1).						
4. <input checked="" type="checkbox"/> A proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.						
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 						
6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).						
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 						
8. <input checked="" type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).						
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).						
Items 11. to 16. below concern other document(s) or information included:						
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.						
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.						
13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.						
14. <input type="checkbox"/> A substitute specification.						
15. <input type="checkbox"/> A change of power of attorney and/or address letter.						
16. <input checked="" type="checkbox"/> Other items or information: PCT/IPEA/416, PCT/IPEA/409, 8/27/99 Letter to WIPO, PCT/RO/101, PCT/IB/306 dated 9/3/99, PCT/IB/306 dated 2/5/99, Small Entity Declaration CHECK NO. 2086 / Drawings - 14 sheets						

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50) <div style="font-size: 1.5em; font-weight: bold;">09/381286</div>		INTERNATIONAL APPLICATION NO. PCT/EP98/01653		ATTORNEY DOCKET NO. P564-9039 DATE: September 21, 1999	
17. <input checked="" type="checkbox"/> The following fees are submitted: Basic National Fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO.....\$840.00 International preliminary examination fee paid to USPTO (37 CFR 1.482).....\$670.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).....\$760.00 Neither international preliminary examination fee (37 CFR 1.482) or international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$970.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)\$ 96.00				CALCULATIONS PTO USE ONLY <hr/>	
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$840	
Surcharge of \$130.00 for furnishing the oath or declaration later than _ 20 _ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$00	
Claims	Number Filed	Number Extra	Rate		
Total Claims	20 - 20 =	00	X \$ 18.00	\$00	
Independent Claims	03 - 3 =	00	X \$ 78.00	\$00	
Multiple dependent claim(s) (if applicable)			+ \$260.00	\$00	
TOTAL OF ABOVE CALCULATIONS =				\$840	
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).				\$420	
SUBTOTAL =				\$420	
Processing fee of \$130.00 for furnishing the English translation later the _ 20 _ 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$00	
TOTAL NATIONAL FEE =				\$420	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$00	
TOTAL FEES ENCLOSED =				\$420	
				Amount to be refunded	\$
				Charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$420 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>14-1060</u> in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1060</u> .					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: NIKAIDO, MARMELESTEIN, MURRAY AND ORAM LLP Metropolitan Square 655 15th Street, N.W. Suite 330 - G Street Lobby Washington, D.C. 20005-5701 Telephone No. (202) 638-5000					
				 Robert B. Murray Reg. No. 22,980	